

[0014] FIG. 2 is a perspective view from above of the user interface bezel assembly with touch screen and programmable rubberized keypad in an embodiment of the invention.

[0015] FIG. 3 is a perspective view of the user interface bezel assembly with aperture for biometric security interface in an embodiment of the invention.

[0016] FIG. 4A is a top side view showing the biometric sensor PCB assembly in an embodiment of the invention.

[0017] FIG. 4B is a right side view showing the biometric sensor PCB assembly in an embodiment of the invention.

[0018] FIG. 4C is a front side view showing the biometric sensor PCB assembly in an embodiment of the invention.

[0019] FIG. 5A is a top plan view showing the user interface bezel assembly with the flash-card accessory module in an embodiment of the invention.

[0020] FIG. 5B is a sectional view along line A-A of FIG. 5A showing the user interface bezel assembly with the flash-card accessory module in an embodiment of the invention.

[0021] FIG. 5C is a side view showing the user interface bezel assembly with the flash-card accessory module in an embodiment of the invention.

[0022] FIG. 5D is a side detail view along B of FIG. 5C showing the user interface bezel assembly with the flash-card accessory module in an embodiment of the invention.

[0023] FIG. 5E is a side detail view along F of FIG. 5B showing the user interface bezel assembly with the flash-card accessory module in an embodiment of the invention.

[0024] FIG. 6A is a top view showing the main extrusion molded fascia panel assembly with the integrated solar power bezel assembly in an embodiment of the invention.

[0025] FIG. 6B is a sectional view along line A-A showing the main extrusion molded fascia panel assembly with the integrated solar power bezel assembly in an embodiment of the invention.

[0026] FIG. 6C is a detail view along C of FIG. 6B showing the main extrusion molded fascia panel assembly with the integrated solar power bezel assembly in an embodiment of the invention.

[0027] FIG. 6D is a side view showing the main extrusion molded fascia panel assembly with the integrated solar power bezel assembly in an embodiment of the invention.

[0028] FIG. 7A is a right side view of a portable retractable flexible display device in an embodiment of the invention.

[0029] FIG. 7B is an exploded view showing the main extrusion molded fascia panel assembly with the integrated wireless antenna assembly in an embodiment of the invention.

[0030] FIG. 8 is a perspective view showing the main extrusion outer housing control panel access door in an embodiment of the invention.

[0031] FIG. 9 is a cross-sectional end view showing the main extrusion outer housing in an embodiment of the invention.

[0032] FIG. 10A is a side view showing the lower casing assembly in an embodiment of the invention.

[0033] FIG. 10B is a cross-sectional front view showing the lower casing assembly with an input/output port connector panel in an embodiment of the invention.

[0034] FIG. 10C is a cross-sectional side view showing the lower casing assembly with a molded elastomeric bumper in an embodiment of the invention.

[0035] FIG. 10D is a cross-sectional view showing the lower casing assembly in an embodiment of the invention.

[0036] FIG. 10E is sectional view along line A-A showing the lower casing assembly in an embodiment of the invention.

[0037] FIG. 11A is a side view showing the lower casing assembly in an embodiment of the invention.

[0038] FIG. 11B is a cross-sectional view showing the lower casing assembly including the quick connect slirping receptacle housing in an embodiment of the invention.

[0039] FIG. 11C is a detail view along A showing the quick connect slirping receptacle housing in an embodiment of the invention.

[0040] FIG. 12 is a perspective view showing the upper casing assembly including the elastomeric bumper and the manual thumb screw retraction mechanism in an embodiment of the invention.

[0041] FIG. 13 is a side perspective showing a motorized embodiment of the drive mechanism of the invention.

[0042] FIG. 14A is a top view showing a thumb drive and clutch embodiment of the invention.

[0043] FIG. 14B is a side view showing a thumb drive and clutch embodiment of the invention.

[0044] FIG. 14C is a cross-sectional view showing the thumb drive and clutch version of the invention.

[0045] FIG. 15A is a top view showing the upper casing in an embodiment of the invention.

[0046] FIG. 15B is a side view showing the upper casing in an embodiment of the invention.

[0047] FIG. 15C is a cross-sectional view showing the upper casing outer housing in an embodiment of the invention.

[0048] FIG. 15D is a sectional view along line A-A showing the upper casing in an embodiment of the invention.

[0049] FIG. 16 is a perspective view showing a spring drive and clutch in an embodiment of the invention.

[0050] FIG. 17 is a perspective view showing the upper casing outer housing with a manual thumb drive wheel in an embodiment of the invention.

[0051] FIG. 18 is a side perspective cut away view of a portable retractable flexible active matrix (OLED) digital display having protective layers associated therewith in an embodiment of the invention.

[0052] FIG. 19 is a side perspective cut away view of a retractable flexible digital having a microcapsule display